

Environmental Restoration Project



ER Site No. 241: Storage Yard

ADS: 1306

Operable Unit: Tech Area III & V

ER Site No. 241: Storage Yard	1
Site History	1
Constituents of Concern.....	1
Current Hazards	1
Current Status of Work	2
Future Work Planned	2
Waste Volume Estimated/Generated	2

Primary Contact: [Brenda Langkopf](#)

Office Phone: 284-3272

Site History

The Storage Yard is located in the southeastern portion of TA III. The site includes a fenced area (180-ft by 230-ft) and areas to the west and south where scrap materials and equipment from TA V were stored.

Some equipment and materials was left in these areas for years, and the actual owners were unknown. Furthermore, some of the equipment and materials stored at these locations were surficially contaminated with radioactive, chemical, and high explosive (HE) residues.

The 1987 Comprehensive Environmental Assessment and Response Program (CEARP) Phase 1 Installation Assessment recommended collecting additional information on the site.

Material stored at this site was removed and disposed of in mid-1994. Immediately following this removal, surface and near-surface soil samples were collected at areas thought to be contaminated from previously-stored material.

Constituents of Concern

HEs

Metals

Transformer oil that may have contained Polychlorinated biphenyls (PCBs)

Asbestos

Radionuclides

Current Hazards

PCB concentrations occur in the near-surface soil at levels that pose an acceptable human health risk under industrial land-use conditions.

Current Status of Work

A radiation survey of the site was completed in April 1994. Three anomalies (in excess of background radiation) were detected and were determined to be "shine" from nearby activated materials stored in area. All material stored in the area was removed. A follow-up radiation survey was conducted, and no radioactive anomalies were found in the soil.

Approximately 29 surface soil samples were field-screened for HE and metals. Sixteen soil samples were analyzed for HEs, 13 soil samples were analyzed for metals and TPH. One soil was collected for PCBs and asbestos. Twenty-nine soil samples were collected for radionuclide analyses. PCB, lead and zinc contamination was noted, but at levels that were well below the Resource Conservation and Recovery Act (RCRA) Subpart S Soil Action Level. Other constituents were below background levels or not detected. Data analysis, interpretation, and a no further action (NFA) recommendation for this site were presented in the TA-III&V RCRA Facility Investigation (RFI) report. This report was submitted to the Environmental Protection Agency (EPA) and the New Mexico Environment Department (NMED) in July 1996.

Two notices of deficiency (NODs) were received from NMED in 1997 and 1998. Additional sampling was requested at the site. In 1999, eighteen discrete surface soil samples and two duplicate samples were collected and analyzed for VOCs, SVOCs, PCBs, metals, and radionuclides using gamma spectroscopy. Low levels of VOCs, SVOCs, metals and PCBs were found, but the maximum concentrations passed industrial landuse scenario risk limits. The radionuclide Uranium-235 had potential activity levels above the background activity in some of the samples, and in some samples the minimum detectable activity was greater than the background. Risk screening of nonradiological and radiological constituents concluded that the site posed an insignificant risk to human health under an industrial land-use scenario.

A supplemental NOD response report was completed and submitted to NMED in April 2001 showing the results of the additional investigation. An NFA proposal for the site is included in the report.

On October 4, 2001, NMED/HWB accepted ER Site 241 for a risk-based NFA petition under an industrial scenario.

Future Work Planned

No future work is planned.

Waste Volume Estimated/Generated

No waste was generated at the site.

Information for ER Site 241 was last updated Jan 23, 2003.